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**CERTIFICATE OF ANALYSIS****AR0151\_24224101/1**

Product	Arsenic, standard solution 1000 mg/l As for AA (arsenic(III) oxide in nitric acid 0,5 mol/l)		Batch	24224101
			Quality release date	23/10/2023
<b>AR0151</b>			Expiry date	10/2026
<b>Analysis</b>	<b>Batch value</b>	<b>Specifications</b>	<b>±U</b>	
Concentration	1000,9 mg/L	995,0 - 1005,0	3,4	

**Preparation**

This atomic absorption standard has been prepared using gravimetric and volumetric procedures.  
Composition per litre is 1,32g Arsenic (III) oxide in Nitric acid 0,5 mol/l

**Traceability**

This standard is traceable to Standard Reference Material from NIST.  
SRM 3103a lot No. 010713 Arsenic Standard Solution

**Uncertainty**

It characterises the dispersion of the values that could be attributed to the mesurand. The limits of the expanded uncertainty are given at a confidence level of 95% ( $k=2$ ).

**Measurement**

The batch value is determined by ICP spectrophotometric method at 20°C.  
Batch value certified at the time of measurement.

**Storage and use**

For AA spectrophotometer calibration  
If the product is stored and unopened, this solution is stable for 3 years from the date of manufacturing.  
Once the bottle is opened, keep tightly closed at room temperature. Avoid exposure to light.  
We suggest rejecting the solution six months after opening  
This solution should be checked periodically by the user.  
For laboratory use only